

## **APPENDIX E**

# UMassAmherst

## Environmental Health & Safety

January 14, 2018

### Waltham Station – Lead Paint Sampling

On 1-12-18 Doug Montminy completed Lead Determination sampling throughout the Administration building at Waltham Station by XRF (X-Ray Florescent) analysis. The lead determination table is below with the results.

**LEAD ANALYSIS RESULTS  
WALTHAM STATION  
UNIVERSITY OF MASSACHUSETTS, AMHERST, MASSACHUSETTS**

| Description | Substrate             | Location                           | Sample ID | Result<br>(% weight)<br>XRF<br>(by Volume<br>action Level<br>1.0) |
|-------------|-----------------------|------------------------------------|-----------|---|
| Beige Paint | Metal Window Frame    | Admin Bldg. Exterior<br>South Side | 1         | XRF 1.3   |
| Beige Paint | Metal Window Sash     | Admin Bldg. Exterior<br>South Side | 2         | XRF 0.4   |
| Beige Paint | Metal Window Header   | Admin Bldg. Exterior<br>South Side | 3         | XRF 4.2   |
| Black Paint | Metal Stair hand Rail | Admin Bldg. Exterior<br>South Side | 4         | XRF 3.9   |
| Black Paint | Metal Stair Stringer  | Admin Bldg. Exterior<br>South Side | 5         | XRF 5.9   |
| Red Paint   | Metal Door Header     | Admin Bldg. Exterior<br>South Side | 6         | XRF 4.9   |
| White Paint | Wood Door Frame       | Admin Bldg. Exterior<br>South Side | 7         | XRF 0.0   |
| Red Paint   | Metal Door            | Admin Bldg. Exterior<br>South Side | 8         | XRF 0.0   |
| Beige Paint | Metal Window Frame    | Admin Bldg. Exterior<br>South Side | 9         | XRF 0.8   |
| Red Paint   | Wood Wall             | Admin Bldg. Exterior<br>South Side | 10        | XRF 0.0   |
| Red Paint   | Wood Double Door      | Admin Bldg. Exterior<br>South Side | 11        | XRF 0.5   |
| Beige Paint | Metal Window Sash     | Admin Bldg. Exterior West<br>Side  | 12        | XRF 1.3   |
| Beige Paint | Metal Window Frame    | Admin Bldg. Exterior West<br>Side  | 13        | XRF 1.7   |

| Description | Substrate                 | Location                           | Sample ID | Result<br>(% weight)<br>XRF<br>(by Volume<br>action Level<br>1.0) |
|-------------|---------------------------|------------------------------------|-----------|---|
| Red Paint   | Wood Double Door Frame    | Admin Bldg. Exterior West Side     | 14        | XRF 6.4   |
| Red Paint   | Wood Double Door          | Admin Bldg. Exterior West Side     | 15        | XRF 8.1   |
| Beige Paint | Metal 1'x3' Window Frame  | Admin Bldg. Exterior North Side    | 16        | XRF 1.6   |
| Beige Paint | Metal 1'x3' Window Sash   | Admin Bldg. Exterior North Side    | 17        | XRF 1.8   |
| Beige Paint | Metal 1'x3' Window Header | Admin Bldg. Exterior North Side    | 18        | XRF 3.6   |
| Red Paint   | Wood Double Door Frame    | Admin Bldg. Exterior East Side     | 19        | XRF 12.3  |
| Red Paint   | Wood Double Door          | Admin Bldg. Exterior East Side     | 20        | XRF 7.8   |
| Beige Paint | Metal Door Frame          | Admin Bldg. Ground Floor Room 6    | 21        | XRF 0.16  |
| Beige Paint | Metal Door                | Admin Bldg. Ground Floor Room 6    | 22        | XRF 0.15  |
| Tan Paint   | Block Wall                | Admin Bldg. Ground Floor Room 6    | 23        | XRF 0.11  |
| White Paint | Concrete Ceiling          | Admin Bldg. Ground Floor Room 6    | 24        | XRF 0.01  |
| White Paint | Metal Pipe                | Admin Bldg. Ground Floor Room 6    | 25        | XRF 0.02  |
| Beige Paint | Metal Window Frame        | Admin Bldg. Ground Floor Room 6    | 26        | XRF 1.8   |
| Beige Paint | Metal Window Sash         | Admin Bldg. Ground Floor Room 6    | 27        | XRF 1.7   |
| Beige Paint | Beige Concrete Wall       | Admin Bldg. Ground Floor Room 6    | 28        | XRF 0.18  |
| Beige Paint | Metal Door                | Admin Bldg. Ground Floor Room 7    | 29        | XRF 0.16  |
| Beige Paint | Metal Door Frame          | Admin Bldg. Ground Floor Room 7    | 30        | XRF 0.3   |
| Red Paint   | Concrete Cove Base        | Admin Bldg. Ground Floor Room 7    | 31        | XRF 1.19  |
| Beige Paint | Concrete Floor            | Admin Bldg. Ground Floor Room 7    | 32        | XRF 0.01  |
| Beige Paint | Wood Double Door Frame    | Admin Bldg. Ground Floor Main Hall | 33        | XRF 0.12  |
| Beige Paint | Metal Double Door         | Admin Bldg. Ground Floor Main Hall | 34        | XRF 1.2   |
| Beige Paint | Metal Upper Door Transom  | Admin Bldg. Ground Floor Main Hall | 35        | XRF 1.15  |
| Black Paint | Block Wall                | Admin Bldg. Ground Floor Main Hall | 36        | XRF 0.05  |
| Beige Paint | Concrete Cove Base        | Admin Bldg. Ground Floor Main Hall | 37        | XRF 0.04  |

| Description | Substrate                     | Location  | Sample ID | Result<br>(% weight)<br>XRF<br>(by Volume<br>action Level<br>1.0) |
|-------------|-------------------------------|---|-----------|---|
| Beige Paint | Metal Heater Cover            | Admin Bldg. Ground Floor<br>Main Hall                     | 38        | XRF 0.15  |
| Red Paint   | Concrete Floor                | Admin Bldg. Ground Floor<br>Main Hall                     | 39        | XRF 0.0   |
| Black Paint | Concrete Stair Kick Plate     | Admin Bldg. Ground Floor<br>Main Hall                     | 40        | XRF 1.0   |
| Black Paint | Metal Newel Post              | Admin Bldg. Ground Floor<br>Main Hall                     | 41        | XRF 1.7   |
| Black Paint | Metal Hand Rail               | Admin Bldg. Ground Floor<br>Main Hall                     | 42        | XRF 3.6   |
| Beige Paint | Metal Door Frame              | Admin Bldg. Ground Floor<br>Room 9A                       | 43        | XRF 0.27  |
| Stain       | Wood Door                     | Admin Bldg. Ground Floor<br>Room 9A                       | 44        | XRF 0.0   |
| White Paint | Block Wall                    | Admin Bldg. Ground Floor<br>Room 9A                       | 45        | XRF 0.12  |
| Red Paint   | Concrete Floor                | Admin Bldg. Ground Floor<br>Room 9A                       | 46        | XRF 0.0   |
| Red Paint   | Red Metal Floor Plate         | Admin Bldg. Ground Floor<br>Room 9A                       | 47        | XRF 0.1   |
| Black Paint | Metal Window Frame            | Admin Bldg. Ground Floor<br>Room 9A                       | 48        | XRF 1.5   |
| Beige Paint | Metal Window Sash             | Admin Bldg. Ground Floor<br>Room 9A                       | 49        | XRF 2.6   |
| Beige Paint | Concrete Header               | Admin Bldg. Ground Floor<br>Room 9A                       | 50        | XRF 0.1   |
| White Paint | Concrete Ceiling              | Admin Bldg. Ground Floor<br>Room 9A                       | 51        | XRF 0.0   |
| Stain       | Metal Door Frame              | Admin Bldg. Ground Floor<br>Room 9A                       | 52        | XRF 0.12  |
| White Paint | Wood Door                     | Admin Bldg. Ground Floor<br>Room 9A                       | 53        | XRF 0.1   |
| Beige Paint | Block Wall                    | Admin Bldg. Ground Floor<br>Room 9A                       | 54        | XRF 0.14  |
| Beige Paint | Concrete Cove Base            | Admin Bldg. Ground Floor<br>Room 9A                       | 55        | XRF 1.0   |
| Beige Paint | Metal 1'x3' Window Frame      | Admin Bldg. Ground Floor<br>Room 9A                       | 56        | XRF 3.6   |
| Beige Paint | Metal Door Frame              | Admin Bldg. Ground Floor<br>Large Common Room<br>West End | 57        | XRF 1.2   |
| Beige Paint | Metal Double Door             | Admin Bldg. Ground Floor<br>Large Common Room<br>West End | 58        | XRF 1.3   |
| Beige Paint | Metal Door Window<br>Mullions | Admin Bldg. Ground Floor<br>Large Common Room<br>West End | 59        | XRF 1.3   |

